[selecting] <u>receiving selection of</u> a service <u>identifier</u> from a set of [available] service[s] <u>identifiers</u>;

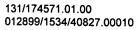
receiving Downloadable code corresponding to the selected service <u>identifier</u> [by the client] from the server;

using the Downloadable code to identify and initiate a network communications
path from the browser to a service corresponding to the selected service identifier
[establishing a communications link between the client and the selected service using the Downloadable code]; and

[interfacing] <u>using the Downloadable code to interface</u> with the [selected] service [using the Downloadable code].

- 2. (Once amended) The method of claim 1, wherein the step of [establishing] <u>initiating</u> a communications link between the [client] <u>browser</u> and the server includes using a URL.
- 3. (Once amended) The method of claim 1, [wherein the step of establishing a communications link between the client and the server includes] <u>further comprising</u> opening an internet protocol connection between the client and the server.
- 4. (Once amended) The method of claim 1, [wherein the step of establishing a communications link between the client and the server includes] <u>further comprising</u> confirming user access privileges for communicating between the [client] <u>browser</u> and the server.
- 5. (Once amended) The method of claim 1, further comprising [the steps of] receiving configuration data by the client; and configuring attributes of the client using the configuration data to provide a user-specific user interface to the client.
- 6. (Once amended) The method of claim 1, wherein <u>using the Downloadable code</u> to identify and initiate a network communications path [the step of establishing a





communications link between the client and the service] includes accessing the service using a proxy.

- 7. (Twice amended) The method of claim 1, wherein [the step] <u>using the</u>

 <u>Downloadable code to interface</u> [interfacing] with the selected service includes directing user interface I/O control of the selected service to a Downloadable code on the client.
- 8. (Once amended) A method comprising the steps of:[establishing] <u>initiating</u> a communications link between a <u>browser stored on a</u>

forwarding identification information to the server;

[downloading] <u>receiving</u> configuration data <u>corresponding to the identification</u> information from the server [to the client];

[configuring] <u>using a configuration engine and the configuration data to configure</u> attributes of the client [using the configuration data];

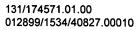
[establishing] <u>initiating</u> a communications link between the [client] <u>browser</u> and a service using the configured client; and

interfacing with the service using the configured client.

- 9. (Once amended) The method of claim 8, wherein [the step of establishing] <u>initiating</u> a communications link between the [client] <u>browser</u> and the server includes using a URL.
- 10. (Once amended) The method of claim 8, [wherein the step of establishing a communications link between the client and the server includes] <u>further comprising</u> opening an internet protocol connection between the client and the server.
- 11. (Once amended) The method of claim 8, [wherein the step of establishing a communications link between the client and the server includes] <u>further comprising</u> confirming user access privileges for communicating between the client and the server.



client and a server;





- 12. (Once amended) The method of claim 8, further comprising [the steps of receiving configuration data by the client; and configuring attributes of the client using the configuration data to provide] <u>providing</u> a user-specific user interface to the client.
- 13. (Once amended) The method of claim 8, wherein [the step of establishing] <u>initiating</u> a communications link between the [client] <u>browser</u> and the service includes accessing the service using a proxy.
- 14. (Twice amended) The method of claim 8, wherein [the step of] interfacing with the service includes directing user interface I/O control of the service to a Downloadable on the client.
- 15. (Twice amended) A system comprising:

means for [establishing] <u>initiating</u> a communications link between a <u>browser</u> stored on a client and a server;

means for [selecting] <u>receiving selection of</u> a service <u>identifier</u> from a set of [available] service[s] <u>identifiers</u>;

means for receiving Downloadable code corresponding to the selected service identifier [by the client] from the server;

means for using the Downloadable code to identify and initiate a network communications path from the browser to a service corresponding to the selected service identifier [establishing a communications link between the client and the selected service using the Downloadable code]; and

means for [interfacing] <u>using the Downloadable code to interface</u> with the [selected] service [using the Downloadable code].



16. (Once amended) The system of claim 15, wherein the means for [establishing] <u>initiating</u> a communications link between the [client] <u>browser</u> and the server includes means for using a URL.

- 17. (Once amended) The system of claim 15, [wherein the means for establishing a communications link between the client and the server includes] <u>further comprising</u> means for opening an internet protocol connection between the client and the server.
- 18. (Once amended) The system of claim 15, [wherein the means for establishing a communications link between the client and the server includes] <u>further comprising</u> means for confirming user access privileges for communicating between the client and the server.
- 19. The system of claim 15, further comprising means for receiving configuration data by the client; and means for configuring attributes of the client using the configuration data to provide a user-specific user interface to the client.
- 20. (Once amended) The system of claim 15, wherein the means for [establishing] using the Downloadable code to identify and initiate a network communications path [a communications link between the client and the service] includes means for accessing the service using a proxy.
- 21. (Twice amended) The system of claim 15, wherein the means for [interfacing] using the Downloadable code to interface with the selected service includes means for directing user interface I/O control of the selected service to a Downloadable on the client.
- 22. (Twice amended) A system comprising:

means for [establishing] <u>initiating</u> a communications link between a <u>browser</u> <u>stored on a client and a server;</u>

means for forwarding identification information to the server;



means for [downloading] <u>receiving</u> configuration data <u>corresponding to the</u> <u>identification information</u> from the server [to the client];

means for [configuring] <u>using a configuration engine and the configuration data to configure</u> attributes of the client [using the configuration data];

means for [establishing] <u>initiating</u> a communications link between the [client] <u>browser</u> and a service using the configured client; and

means for interfacing with the service using the configured client.

- 23. (Once amended) The system of claim 22, wherein the means for [establishing] <u>initiating</u> a communications link between the [client] <u>browser</u> and the server includes means for using a URL.
- 24. (Once amended) The system of claim 22, [wherein the means for establishing a communications link between the client and the server includes] <u>further comprising</u> means for opening an internet protocol connection between the client and the server.
- 25. (Once amended) The system of claim 22, [wherein the means for establishing a communications link between the client and the server includes] <u>further comprising</u> means for confirming user access privileges for communicating between the client and the server.
- 26. The system of claim 22, further comprising means for receiving configuration data by the client; and means for configuring attributes of the client using the configuration data to provide a user-specific user interface to the client.
- 27. (Once amended) The system of claim 22, wherein the means for [establishing] <u>initiating</u> a communications link between the [client] <u>browser</u> and the service includes means for accessing the service using a proxy.



- 28. (Twice amended) The system of claim 22, wherein the means for [interfacing] using the Downloadable code to interface with the service includes means for directing user interface I/O control of the service to a Downloadable on the client.
- 29. (Twice amended) A computer-readable medium for storing a program for causing a computer to perform the steps of:

[establishing] <u>initiating</u> a communications link between a <u>browser stored on a</u> client and a server;

[selecting] <u>receiving selection of</u> a service <u>identifier</u> from a set of service[s] <u>identifiers</u>;

receiving Downloadable code <u>corresponding to the selected service identifier</u> [by the client] from the server;

using the Downloadable code to identify and initiate a network communications
path from the browser to a service corresponding to the selected service identifier
[establishing a communications link between the client and the selected service using the Downloadable code]; and

[interfacing] <u>using the Downloadable code to interface</u> with the service [using the Downloadable code].

30. (Twice amended) A computer-readable medium for storing a program for causing a computer to perform the steps of:

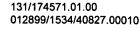
[establishing] <u>initiating</u> a communications link between a <u>browser stored on a</u> client and a server;

forwarding identification information to the server;

[downloading] <u>receiving</u> configuration data <u>corresponding to the identification</u> information from the server [to the client];

[configuring] <u>using a configuration engine and the configuration data to configure</u> attributes of the client [using the configuration data];

[establishing] <u>initiating</u> a communications link between the [client] <u>browser</u> and a service using the configured client; and





interfacing with the service using the configured client.

Claims 31-37 were canceled in a previous amendment.



(Twice amended) A system comprising:

web data for enabling a client to select a service identifier from a set of service identifiers;

a Downloadable[s] for enabling [a] the client to identify the network communications address of a service which corresponds to the selected service identifier and to control user interface I/O of [a] the service;

a communications engine for downloading [at least one] the Downloadable across a communications link to the client; and

a host engine for initiating transmission of the Downloadable to the client based on the selection of the service identifier [enabling the at least one Downloadable to establish a communications link with the service].

- 39. The system of claim 38, further comprising configuration data for configuring the client to provide the client with a consistent user interface for controlling the service.
- 40. The system of claim 38, wherein the communications engine establishes a communications link with the client across an internet.
- 41. The system of claim 38, wherein the communications engine confirms user access privileges for receiving communications from the client.
- 42. The system of claim 38, wherein the host engine provides a proxy service to direct user interface I/O control to the client.

(Once amended) A method [of enabling a remote client to access a service], comprising [the steps of]:



receiving an access request from a <u>browser stored on a remote client;</u>
receiving user-identifying information from the [remote client] <u>browser; and</u>
transmitting <u>to the browser</u> configuration information based on the useridentifying information <u>for configuring attributes of the remote client to establish a userspecific interface</u> [to the client;

[receiving a request for access to a service from the remote client; and transmitting to the remote client Downloadable code for establishing a communications channel with the selected service and for communicating with the selected service].

31) 44. (0 steps of]:

(Once amended) A method of communicating with a service, comprising [the fl:

requesting connection to a predetermined server by a <u>browser stored on a</u> remote client;

transmitting user-identifying information to the predetermined server; receiving configuration code from the predetermined server responsive to the user-identifying information;

using the configuration code to configure the remote client; requesting access to a service;

receiving Downloadable code corresponding to the requested service; using the Downloadable code to establish a communications channel with the service; and

using the Downloadable code and the configured remote client to communicate with the service.

Once amended) The method of claim 44, wherein [the step of] using the Downloadable code to establish a communications channel includes requesting connection to the selected service by the predetermined server.



46. (Once amended) The method of claim 48, wherein using the Downloadable to establish a communications channel includes [the steps of] using the Downloadable code to establish a communications channel with the predetermined server and using the predetermined server to establish a communications channel with the service, the predetermined server acting as proxy to the Downloadable code.

(Once amended) The method of claim 46, wherein [the step of] using the predetermined server to establish a communications channel with the service includes [the step of] executing a servlet.

The method of claim 44, wherein the Downloadable code includes the service address.

Once amended) The method of claim 44, wherein [the step of] using the Downloadable code and the configured client to communicate with the service includes using a server interface to communicate with the server by the Downloadable code and using a service interface to communicate with the service by the predetermined server.

Once amended) The method of claim 44, wherein [the step of] using the Downloadable code and the configured client to communicate with the service includes using a service interface to communicate directly with the service by the Downloadable code.

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